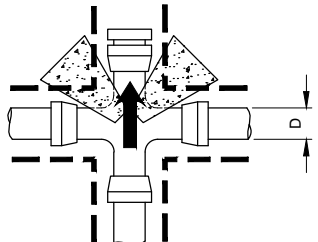
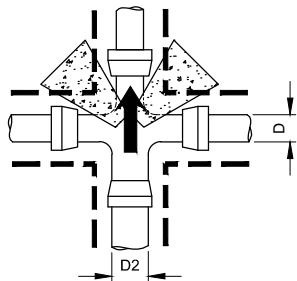


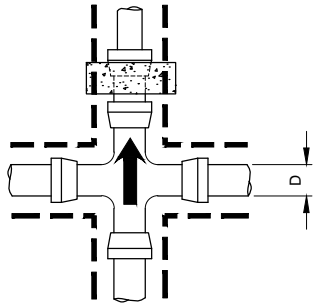
TYPE A
(SEE SECTION A)
n.t.s.



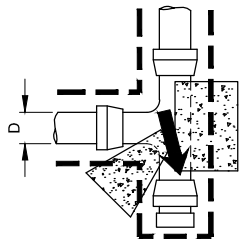
TYPE B
(SEE SECTION A)
n.t.s.



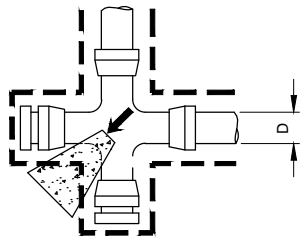
TYPE C
(SEE SECTION A)
n.t.s.



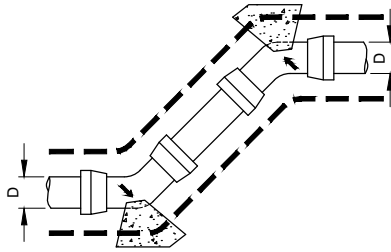
TYPE D
(SEE SECTION B)
n.t.s.



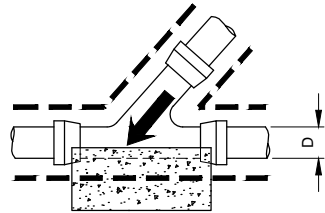
TYPE E
(SEE SECTION A)
n.t.s.



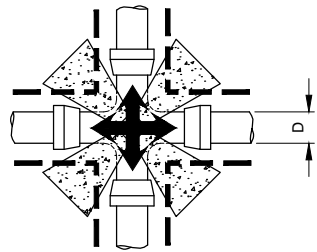
TYPE F
(SEE SECTION A)
n.t.s.



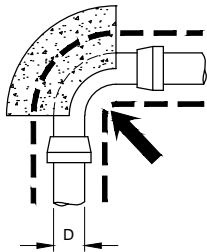
TYPE G
(SEE SECTION A)
n.t.s.



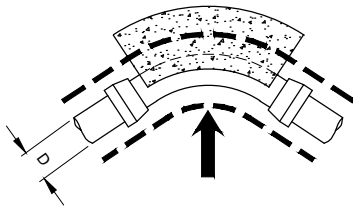
TYPE H
(SEE SECTION A)
n.t.s.



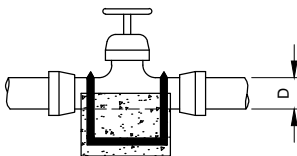
TYPE I
(SEE SECTION A)
n.t.s.



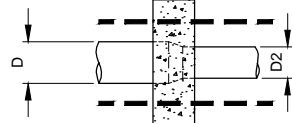
TYPE J
(SEE SECTION A)
n.t.s.



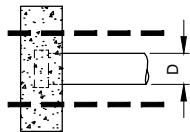
TYPE K
(SEE SECTION A)
n.t.s.



TYPE L
(SEE SECTION A)
n.t.s.



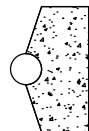
TYPE M
(SEE SECTION B)
n.t.s.



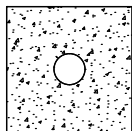
TYPE N
(SEE SECTION B)
n.t.s.

General Notes

1. Thrust block must be formed against a solid hand excavated trench wall undamaged by mechanical equipment.
2. All thrust blocks shall be constructed of concrete, and the space between the pipe and trench wall shall be filled with concrete to a height not less than the outside diameter of the pipe or as specified by manufacturer.
3. The concrete shall have a compression strength of at least 2000 psi.
4. The concrete mix shall be one part cement, two parts washed sand and four parts gravel.
5. The thrust blocks shall be constructed so that the bearing surface is in direct line of anticipated thrust.



SECTION A
n.t.s.



SECTION B
n.t.s.

Legend

----- Trench Walls

Note: This standard drawing requires supporting technical documentation prior to use and must be adapted to the specific site. Arrows indicate direction of anticipated thrust.

Thrust Block Specifications				
Location	Type	D(in.)	D2(in.)	A(ft ²)

Type A.	Thru line connection, tee
Type B.	Thru line connection, cross used as tee
Type C.	Change line size, cross used as reducer
Type D.	Change line size, reducer
Type E.	Direction change, tee used as elbow
Type F.	Direction change, cross used as elbow
Type G.	Direction change
Type H.	Thru line connection, wye
Type I.	Direction varies, cross used
Type J.	Direction change, 90 degree elbow used
Type K.	Direction change, 45 degree elbow used
Type L.	Valve
Type M.	Change line size, reducer
Type N.	End cap

Revisions		
Date	Approved	Title

Date	
Designed	
Drawn	
Checked	
Approved	

Thrust Block Details



File No.
FL-430A.dwg

Drawing No.

Sheet 2 of 2

Thrust Block Details

Standard DWG. No. FL-430A.dwg

Date Sheet 2 of 2